

EXCERPTA MEDICA Sec. 6 Vol. 11/5 May 51
KOLCZYCKA ZOFIA

3395. DZIUBA H., KOLCZYCKA Z., and SZAFF-MACKIEWICZ J. Poradni Kardiol. przy II Klin. Chorób Wewnętrznych A. M. Łódź. "Leczenie choroby nadeśnieniolowej serpasilem. Treatment of essential hypertension with serpasil. POL. TYG. LEK. 1956, 11/31 (1375-1378) Tables 1

The authors present 25 patients treated with serpasil. all stationary forms of hypertension. No circulatory decompensation nor renal changes were found. Earlier treatment was without success. Serpasil was administered in daily doses of 0.3 to 0.7 mg. In 16 patients the complaints disappeared fully, in 6 cases they diminished. In 3 persons no subjective improvement was obtained. The systolic blood pressure diminished in all the cases within 40-60 mm. Hg, the diastolic blood pressure from 20 to 30 mm. Hg. The coronary flow improvement was established electrocardiographically in 3 cases. Retinitis hypertonica (phase I) disappeared in one case. The patients were observed 3 months to one year after withdrawal of the drug. This short time does not permit any definite conclusion to be drawn on the durability of treatment with serpasil.

MUSIAL, M.; KOLCZYCKA, Z.; OCZKOWICZ, A.; PRACKA, H.

Comparative electrocardiographic and vectorcardiographic studies in chronic pulmonary heart syndrome. Kardiol. Pol. 5 no.1:39-45 '62.

1. Z II Kliniki Chorob Wewnętrznych AM w Łodzi Kierownik: prof. dr J. Jakubowski.

(ELECTROCARDIOGRAPHY) (VECTORCARDIOGRAPHY)
(PULMONARY HEART DISEASE diag)

MUSIAL, W.; KRYKOWSKI, E.; KOLCZYCKA, Z.; MURAWSKI, K.

Thalassemia minor in a Polish family. Polskie arch. med. wewn.
31 no.11:1541-1549 '61.

1. Z II Kliniki Chorob Wewnętrznych AM w Łodzi Kierownik: prof.
dr nauk med. J.Jakubowski i z Zakładu Biochemii Instytutu Hematologii
w Warszawie Kierownik: doc. dr med. K.Zakrzewski.
(ANEMIA ERYTHROBLASTIC case reports)

ADAMSKI, St.; KOLCZYCKA, Z.; LEMANCZYK, A.

A pheochromocytoma. Kardiol. pol. 6 no.3:219-222 '63.

(PHEOCHROMOCYTOMA) (RADIOGRAPHY)

MITREGA, J., mgr inż.; KOLCZYNSKI, E.

Letter of the Minister of Mining and Power Engineering, as well as Chairman of the Main Executive Board of the Trade-Union of Electrical Workers, on the occasion of the Day of Power Engineering, 1963. Energetyka Pol 17 no.8:225-226 Ag '63.

1. Minister Gornictwa i Energetyki, Warszawa (for Mitrega).
2. Przewodniczacy Zarzadu Glownego Zwiasku Zawodowego Pracownikow. Energetyki, Warszawa (for Kolczynski).

MITREGA, Jan, inż.; KOLCZYNSKI, E.

Because of Power Engineering Day. Energetyka Pol 14 no.9:257-258 '60.
(EEAI 10:1)

1. Minister Gornictwa i Energetyki Przewodniczacy Zarzadu Glownego
Zwiazku Zawodowego Pracownikow Energetyki.
(Poland--Electric power)

KOLDA, J.

Deleni hoveziho masa. [Vyd. 1.] Praha. Statni nakl. technicke literatury,
1953. 47 p. (R_a da potravinarske literatury) [Beef cutting 1st. ed.]
DA Not in DLC

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

KOLDA, J.

Teloveda psa. (Vyd. 1.) V Praze, Statni zdravotnicke nakl., 1953. 162 P. (The anatomy and physiology of dogs. 1st ed) DA Net in DLC

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

KOLDA, J.

Neurologie. (Vyd. 3 opravené) Praha, Statní pedagogické nakl., 1954. 203 P.
(Učební texty vysokých škol) (Neurology; a university textbook. 3d ed., rev.)
DA Not in DLC

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No.11 November 1957

KOLDA, J.

Nauka o kuzi, pokožkovych (epidermalnich) utvarech a mlecne zlaze: dermatologia.
(Vyd.2)

Praha, Czechoslovakia, Statni pedagogicke nakl., 1959, 95p.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

KOLDA, J.

Osteologicky atlas. (Vyd. 2)

Praha, Czechoslovakia, Statni pedagogicke nakl., 1959, 194p.

Monthly List of East European Accessions (KEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

KOLDA, M.
SOVA, J; KOLDA, M.

Electroencephalographic findings in pregnancy toxemia.

Cesk. gyn. 15 no.8:594-601 1950.

(CML 20:1)

1. Of the Second Internal Clinic (Head—Prof. A. Vancura, M. D.),
Work Group under Prof. F. Harless, M. D.).

KOLDA, Miroslav, MUDr.

Certain aspects of medico-legal services in cardiology.
Cesk. zdravot. 4 no.3:139-141 Mar 56.

1. Vyskumny ustav organisace zdravotnictvi v Praze. .
 (HEART DISEASE,
 working capacity, determ. (Cs))
 (PHYSICAL EXAMINATION, in various diseases,
 heart dis., determ. of working capacity. (Cs))

KOLDA, Miroslav, MUDr.

Working capacity in obliterating arterial diseases. Cesk.
sdravot. 4 no.5:259-261 May 56.

1. Vyskumny ustav organisace sdravotnictvi v Praze.
(VASCULAR DISEASES, PERIPHERAL,
arterial obliterating dis., working capacity determ. (Cs))
(WORK,
capacity determ. in arterial obliterating dis. (Cs))

KOLDA, Miroslav, MUDr.

~~SECRET~~
Working capacity in venous diseases. Cesk. zdravot. 4 no.6:
328-330 June 56.

1. Vyskumny ustav organisace zdravotnictvi v Praze.
(WORK, in various diseases,
capacity in venous dis. (Cs))
(VASCULAR DISEASES, PERIPHERAL, physiology,
venous dis., working capacity (Cs))

KOLDA, Miroslav, MUDr.

~~CONFIDENTIAL~~
Evaluation of work capacity in angina pectoris & in myocardial
infarct. Cesk. zdravot. 5 no.8:468-470 Aug 57.

1. Vyskumny ustav organisace sdrvaotnictvi v Praze.

(WORK,

capacity in angina pectoris ' myocardial infarct (Cs))
(ANGINA PECTORIS,

work capacity determ. (Cs))

(MYOCARDIAL INFARCT,

work capacity determ. (Cs))

KOLDA, Miroslav, MUDr.

Work fitness of coronary sclerosis patients. Cesk zdravot 6 no.7:
403-409 July 58.

1. Vyzkumny ustav organisace zdravotnictvi v Praze.
(INDUSTRIAL HYGIENE
employment of patients with coronary sclerosis (Cs))
(CORONARY DISEASES
same)

CZECHOSLOVAKIA

UDC 616.24-008.47-079

KOLDA, M.; Institute of Medicine, Czechoslovak Railways (Ustav Zeleznicniho Zdravotnictvi), Prague.

"Dyspnea as a Problem of Working Capacity Assessment."

Prague, Casopis Lekaru Ceskych, Vol 105, No 35, 2 Sep 66, pp 959 - 962

Abstract [Author's English summary modified]: Dyspnea is a symptom which accompanies many diseases; it is possible to see from the case history if the dyspnea is associated with a cardiac or pulmonary disease, general illness, obstruction of respiratory pathways, or if it has neurovegetative causes. The prognosis of the disease can be made on the basis of its causes and on the functional capacity of the cardiorespiratory system. No references. (Manuscript received Mar 66).

1/1

- 32 -

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723720020-8

[Vahin, V.I.], inzh.; KOLDA, O.P., inzh.; LEVITSKAYA, G.P.
[Levyts'ka, H.P.], red.; OLEFIRENKO, G.Yu. [Olefirenko, H.A.],
red.; VAYNSHENER, Y.M. [Vainshener, I.M.], tekhn. red.

[Labor safety in agriculture] Okhorona pratsi v sil's'komu
hospodarstvi. Kyiv, Derzhsil'hospvydav URSR, 1962. 258 p.
(MIRA 16:6)

(Ukraine--Agricultural machinery--Safety measures)

A.C.S.

Glass

Arrangement for drawing photo glass. H. G. KOLBAY.
Navy. 54,882, April 20, 1940. 21s. 22.01. Photo glass
is drawn with the aid of a Fourrank boat. The device
consists of two adjacent basins separated by a partition
below the level of the motion glass. Structural details
are given. M.Ho.

KOLDANOV, V. Ya.

Afforestation

New stage in the development of forest propagation in the steppes. Les. khoz. 5, No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August, 1952 Uncl.

KOLDANOV, V. Ya.

Forest and Forestry

Honorable mission of the motherland; interview with the Deputy Minister of the Forest Industry of the U. S. S. R. Mol. kolkh. 19 No. 5 1952.

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

KOLDANOV, V. Ya.

SMIRNOV, Leonid A.

"Some results and conclusions regarding shelterbelt forestation during the past five years." V.IA.Koldanov. Reviewed by Leonid A. Smirnov. Bot.shur. 39 no.4:609-611 J1-Ag '54. (MLBA 7:10)
(Windbreaks, shelterbelts, etc.) (Koldanov, V.IA.)

KOLDANOV, V. YA.:

KOLDANOV, Y. YA.: "Protective afforestation of the steppe and forest-steppe regions of the European portion of the USSR between 1948 and 1953". Moscow, 1955. Acad Sci USSR, Inst of Forestry. (Dissertation for the Degree of Candidate of AGRICULTURAL Sciences)

SO: Knizhnaya Lappis' No. 51, 10 December 1955

USSR/Forestry - General Problems.

K-1

Abs Jour : Ref Zhur - Biol., No 9, 39061

Author : Koldanov, V.Ya.

Inst :

Title : Studies of Soviet and Chinese Scientists on the Utilization of the River Amur Basin.

Orig Pub : Len. kh-vo, 1957, No 10, 61-64.

Abstract : The work of the Amur expedition organized by the Academy of Sciences, USSR, and by the Academy of Sciences, Chinese People's Republic, to study the forests of the Amur basin is described briefly.
The program of the forestry detachment of the expedition proposes the solution of the following problems in the course of the next 3-4 years: 1) outlines of forest growing conditions with a subsequent delimitation of forest growing regions; 2) development of forest-growing typological characteristic of forests;

Card 1/2

KOLDANOV, V.Ya.

Spotseeding of trees and introgression of their root systems. Bot.
zhur. 43 no. 5:713-720 My '58. (MIRA 11:7)

1. Institut less Akademii nauk SSSR, s. Uspenskoye Moskovskoy obl.
(Trees)
(Roots(Botany))

26-58-5-5/57

AUTHOR: Koldanov, V.Ya., Candidate of Agricultural Sciences

TITLE: Afforestation of Steppes of Our Country (Obleseniye stepey nashey rodiny)

PERIODICAL: Priroda, 1958, Nr 5, pp 31-38 (USSR)

ABSTRACT: Soil erosion and decreasing harvests are an ever increasing danger for Soviet agriculture. One of the principal causes of this danger is destructive lumbering. Since 1918, various schemes have been employed to overcome this. Planned afforestation is therefore considered the best remedy. The Institut lesa (Forest Institute) and the Pochvennyy institut (Soil Institute) of the AN SSSR (USSR Academy of Sciences) are conducting scientific research as a guide to the kolkhozes and sovkhoses in their afforestation programs. Oak is the principal tree species planted in the new wood belts. Since 1947, wooded areas in the USSR's European steppe regions are on the increase. In the past 9 years all wooded areas grew by 1,446,000 ha. The extension of afforestation is reflected by the following figures: 6,000 ha before 1918, 190,000 from 1918 to 1948, over 650,000 from 1949 to 1953, and 130,000 from 1954 to 1956. A planned 3,000,000 ha will

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Afforestation of Steppes of Our Country

26-58-5-5/57

be afforested by 1965. This will apply in particular to the various parts along the banks of the Volga, Don, Dnepr, Desna and Oka rivers and of large water reservoirs. The Kamyshin-Stalingrad afforested wood belt comprising over 4,500 ha, has been taken over by the Goslesfond (State Forestry Reserve) as an accomplished project. In 1955, there were 546 reserves and 295 large tree nurseries in the European part of the USSR. Each reserve afforested 350 - 500 ha a year. This amounted to 190,000 ha annually. The biogeocenosis method worked out by V.N. Sukachev for naturally-grown forests will be adapted to the problems of steppe afforestation. At present, there are 12 state-planted forest belts in Azerbaydzhan and two in the Kulundinskaya steppe. New belts are planned in the western parts of the Georgian SSR and in Uzbekistan. The Rostov, Stalingrad and Astrakhan Oblast's have wood belts covering several tens of thousands of hectares. Preparations are made for new wood belts on the banks of the Ural, Gora Vishnevaya rivers, the Caspian Sea shore, and for continuation of afforestation in the Saratov-Astrakhan belt on the Volga banks. The wood belts Penza-Kamensk and Voronezh-Rostov on the Don banks have been established and the Belgorod-Don wood belt has been completed

Card 2/3

Afforestation of Steppes of Our Countries

26-58-5-5/57

by 50%.

There are 8 photos and 1 Soviet reference.

ASSOCIATION: Institut lesa Akademii nauk SSSR, Moskva (Forest Institute of the USSR Academy of Sciences, Moscow)

AVAILABLE: Library of Congress

Card 3/3

1. Agriculture - USSR
2. Soils - Erosion
3. Forestry - USSR

D'YACHENKO, A.Ye.; MAKARYCHEV, N.T.; KOLDANOV, V.Ye., kand.sel'sko-khoz.nauk, otv.red.; KORMYLOVA, K.I., red.isd-va; BRUZGULS, V.V., tekhn.red.

[Deflation of soils and land improvement through afforestation in North Kazakhstan] Defliatsiia pochv i agrolesomeliativnye meropriiatiia v Severnom Kazakhstane. Moskva, Isd-vo Akad.nauk SSSR, 1959. 108 p. (MIRA 13:1)

(North Kazakhstan Province--Wind erosion)
(North Kazakhstan Province--Afforestation)

CHZHU TSZY-FAN' [Chu Ts'u-fan], prof.; KOLDANOV, V.Ya.

Forest riches of northeastern China. Priroda 50 no. 3:27-33 Mr
'61. (MIRA 14:2)

1. Institut lesa i pochv AN Kitayskoy Narodnoy Respubliki
Shen'yan.
(China, Northeast--Forests and forestry)

RAKHMANOV, Viktor Vasil'yevich; KOLDANOV, V. Ya., red.; PLATOVA, L. B.,
red. izd-va; GRECHISHCHEVA, V. I., tekhn. red.

[Water-retaining role of forests] Vcdookhrannaia rol' lesov.
Moskva, Goslesbunizdat, 1962. 234 p. (MIRA 16:2)
(Forest influences)

KOLDANOV, V.Ya.

What we learn from afforestation in the steppes. Okhr. prir.
Sib. i Dal'. Vost. no.1:44-51 '62. (MIRA 17:5)

KOLDASHEV, A.M. (Tambov)

One problem with practical content. Mat. v shkole no.5164 8-0 '60.
(MIRA 13:10)

(Mathematics--Problems, exercises, etc.)

KOLDASHEV, A.M. (Tambov)

Relating the teaching of mathematics to the work of students of
evening (shift) schools. Mat. v shkole no. 6:36-41 I-D '60.

(MIRA 14:2)

(Mathematics--Study and teaching)

KOLDASHEV, A.M.

Practical use of graphs of functions in seventh-grade chemistry lectures. Khim. v shkole 15 no.2:36-39 Mr-Apr '60. (MIRA 14:5)

1. Pedagogicheskiy institut Tambova.
(Chemistry—Graphic methods)

VOL'FKOVICH, S.I., akademik; KHAYKOV, V., uchitel'; KOLDASHEV, A.M.

Editor's mail. Khim. v shkole 17 no.2:88-90 Mr-Apr '62. (MIRA 15:3)

1. Lukhovitskaya srednyaya shkola No. 1, Moskovskoy oblasti (for Khaykov).

(Chemistry—Study and teaching)

OBRAZ, Konstantin Ivanovich; EPPEL', Boris Sergeyevich. Prinimal
uchastiye KOLDASHEV, A.M.; LEPESHKINA, N.I., red.; KORNEYEVA,
V.I., tekhn. red.

[The slide rule in secondary school; a textbook for teachers]
Logarifmicheskaya lineika v srednei shkole; posobie dlia
uchitelei. Moskva, Uchpedgiz, 1962. 126 p. (MIRA 16:1)
(Slide rule)

YAKOVLEV, V.A.; DOBRIN, Z.Ye.; KOLDASHOV, S.S.

Building tunnel kilns at the Borovichi Refractories Combine.
Ogneupory 26 no.6:252-255 '61. (MIRA 14:7)

1. Borovichskiy kombinat ogneuporov (for Yakovlev, Dobrin).
2. Stroitel'nyy uchastok - 81 tresta No.43 Upravleniya
stroitel'stva Leningradskogo sovmarkhoza (for Koldashov).
(Borovichki--Kilns)

DYLEVSKIY, G., KOLDAYEV, A., kand.sel'skokhoz.nauk

Following of the queen of fields. NTO 4 no.5:37 My '62.
(MIRA 15:5)

1. Zamestitel' predsedatelya Uzbekskogo pravleniya Nauchno-
tekhnicheskogo obshchestva sel'skogo khozyaystva (for Dylevskiy).
2. Zaveduyushchiy sektsiyey rasteniyevodstva Uzbekskogo pravleniya
Nauchno-tekhnicheskogo obshchestva sel'skogo khozyaystva (for
Koldayev).

(Uzbekistan--Rotation of crops)

KOLDAIEV, A.; URZHUMTSEVA, N., agronom-ekonomist

Potentialities of agriculture should be used. NTO 4 no.12:
25-27 D '62. (MIRA 16:1)

1. Predsedatel' Uzbekakogo pravleniya Nauchno-tehnicheskogo
obshchestva sel'skogo khozyaystva, prorektor Tashkentskogo
sel'skokhozyaystvennogo instituta (for Koldayev). 2. Zamestitel'
predsedatelya respublikanskogo pravleniya Nauchno-tehnicheskikh
obshchestv (for Urzhumtseva).
(Uzbekistan--Agriculture)

KOLDAYEV, A., kand.sel'skokhoz.nauk; URZHUMTSEVA, N.

Green gold. NTO 4 no.9:34 S '62.

(MIRA 16:1)

1. Zamestitel' predsedatelya Usbekskego nauchno-tehnicheskogo
obshchestva sel'skogo khozyaystva (for Urzhumtseva).
(Anbary hemp)

KOLDAYEV, A. A.

Khlopkovodstvo [Cotton growing], chast' 2. Alma-Ata, Kazgosizdat, 1952. 208 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 11 February 1954

KOLDAYEV, A. A.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr. 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
<u>Koldayev, A. A.</u>	"Cotton Growing" Textbook	Ministry of Agriculture Uzbek SSR

80: W-30604, 7 July 1954

A. P.S.

Blass

Architectural glass. R. G. Kottmann. *Steklo i Keram. Prom.*, 1964, No. 8, pp. 50-51. - K. discusses the use of glass as structural and decorative material in buildings. As facing material, the possibilities of glass are incalculable. The range of possible colors, surface contours, and shapes is wide. The use of glass as facing material provides a hard, resistant surface that is easily

cleaned and freed of city dust and grime. It thereby insures a clean and fresh appearance regardless of its age. A building material referred to as glass-ceramics is made by adding crystallizing material, such as sand, clay, or other minerals, to glass. Cullet and other waste from the glass industry are mixed with these fillers, and the mixture is fired at approximately 600°. This process gives a very

decorative and resistant building material at low cost. Another product is cast glass, either white or colored. These are made in a manner similar to glass from locally available raw materials of such nature as those commonly used for glass, combined with readily crystallizable materials. The cast glass is very strong and can withstand pressures up to 3000 kg. per cm.². Another valuable raw material is metallurgical slag, which is suitable for casting glass and other building details. White and colored opaque glass is equally used as a facing building material. Floor tile is successfully made by casting from the same materials and in the same manner as that used in casting facing glass. This tile is more durable than hitherto-used floor tiles. The same material is also successfully used for casting slabs. A new method was developed for making stained-glass windows. The joining of the individual pieces by lead or brass formerly used is effectively replaced by heat joining. The individual pieces making up a pattern are arranged on a sheet of glass and fired together in a furnace. The complete window is then mounted as usual. This method permits the artist to use small fragments in making the pattern, and it produces a much more pleasing effect at a vastly reduced cost. Experiments were also carried out in color coating on glass. A method was developed for making glass mosaic work by pressing and casting. Work has also been done on producing decorative building units, such as columns, panels, pillars, relief images, etc., from transparent, opaque, and colored glass. The experiments were carried out in a laboratory and in a glass sculpture shop. M.H.

1. KOLDAEV, B. G.
2. USSR (600).
4. Glass manufacture
7. Technical possibilities of raising the productivity of glass factories.,
Med. prom., no. 6, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

KOLDAYEV, B.G.

USSR/Optics - Optical Media.

K-3

Abs Jour : Referat Zhur - Fizika, No 3, 1957, 7597

Author : Koldayev, B.G.

Inst :

Title : Determination of Irregularities in Glass with Polarized Light

Orig Pub : Med. prom -st' SSSR, 1954, No 1, 39-42

Abstract : A method is proposed for determining the chemical irregularities of glass articles with the aid of polarized light. A specimen of glass, cut from the article, is thoroughly annealed, placed in an immersion liquid and viewed through crossed polaroids and with a compensation plate, producing a colored field. In the author's opinion, this method can be recommended for production control and for an estimate of the chemical homogeneity of glass articles.

Card 1/1

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KOLDAEV, B.G.; FATEYVA, Z.M.

Studying the chemical stability of glass ampules. Med.prom. 11
no.1:26-32 Ja '57. (MLRA 10:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo
instrumentariya i 'oborudovaniya.
(GLASS) (MEDICAL SUPPLIES)

"APPROVED FOR RELEASE: 06/19/2000

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CIA-RDP86-00513R000723720020-8"

Koldayev, B. G.

KOLDAYEV, B.G.; IVANOV, B.V.; VLADYCHENSKAYA, V.V.

Production of ceramic mullite beams for tank furnaces. Med.prom.
11 no.9:54-58 8 '57. (MIRA 10:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo instrumentariya i oborudovaniya.
(GLASS FURNACES) (MULLITE)

"APPROVED FOR RELEASE: 06/19/2000

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APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723720020-8"

KOLDAIEV, M., nauchnyy sotrudnik

Perennial pastures on drained swamps. Nauka i pered.op. v
sel'khoz. 9 no.3:19 Mr '59. (MIRA 12:5)

1. Kiyevskaya lugobelotnaya opytaya stantsiya.
(Pastures and meadows)

KOLDAYEV, M.V.

"Means of Cultivating the Soil when Reclaiming Swamps and Swamped Land";

dissertation for the degree of Candidate of Agricultural Sciences
(awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2,
1963, pp 232-236)

KOLDAYEV, P.

"On the compilation of the USSR map with a scale of 1:2,500,000", Sbornik nauch.-tekhn. i priozvod. statey po geodezii, kartografii, topografii, aeros"yemke i gravimetrii, Issue 22, 1948, p. 86-90.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

KOLDAYEV, P. K.

KOLDAYEV, P. K. -- "Representation of Relief of Maps by Means of Shaded Plastic." Sub 4 Apr 52, Moscow Inst of Engineers of Geodesy, Aerial Photography and Cartography. (Dissertation for the Degree of Candidate in Technical Sciences).

SO: Vechernaya Moskva, January December 1952

CHERDANTSSEV, G.N.; BASHLAVINA, G.N.; MARUSOV, A.Ya.; MERKULOV, V.A.; FILIPPOV, Yu.V.; LARIN, D.A.; DENZIN, P.V.; KOMKOV, A.M.; KARAVAYEVA, Z.F.; MIROSHNICHENKO, A.F.; KOLDAYEV, P.K.; EKVORTSOV, P.A.; PAVLOV, V.V.

Discussion of K.A. Salishchev's report. Brief report of speeches of G.N. Cherdantsev, G.N. Bashlavina A. Ia. Marusov, V.A. Merkulov, Yu.V. Filippov, D.A. Larin, P.V. Densin, A.M. Komkov, Z.F. Karavaeva, A.F. Miroshnichenko, P.K. Koldaev, P.A. Ekvortsov, V.V. Pavlov. Vop.geog. no.34:14-34 '54.
(Cartography) (MLRA 7:12)

KOLDAYEV, Petr Konstantinovich; DAVYDOV, G.P., redaktor; KOMAR'KOVA, L.M.
redaktor izdatel'stva; KUZ'MIN, O.M., tekhnicheskij redaktor

[Plastic representation of relief on maps] Plasticheskoe izobrazhe-
nie rel'efa na kartakh. Moskva, Izd-vo geodes. lit-ry, 1956. 133 p.
(Cartography) (Surfaces, Representation of) (MLRA 10:4)

KOLDAEV, F. K. (Cand. Tech. Sci.) *KOLDAEV, FK*

"Ways and methods for the perfection of the plastic representation of reliefs on maps," Geodeziya i Kartografiya, 1957, Nr 12, pp. 69-70, (USSR).

paper presented at the Sci. Tech. Conf. for Geodesy, Aerial Photography and Cartography, 24-28 Oct 57, in honor of 40th Anniv of October Revolution Organized by Main Office for Geodesy and Cartography, Home Office USSR, The Military-Topographical Office and Inst. for Engineers of Geodesy, Air Survey and Cartography, Moscow.

PHASE I BOOK EXPLOITATION SOV/4010
SOV/42-S-127

Borodin, A. B., and P. K. Koldayev

Podgotovka topograficheskikh kart k izdaniyu metodom
gravirovaniya (Preparing Topographical Maps for
Publication by the Engraving Method) Moscow,
Geodezizdat, 1958. 59 p. (Series: Moscow.
Tsentral'nyy nauchno-issledovatel'skiy institut
geodezii, aerofotogrammetrii i kartografii, Trudy, vyp.
127) Errata slip inserted. 1,000 copies printed.

Sponsoring Agency: USSR. Glavnoye upravleniye geodezii
i kartografii.

Ed.: G. N. Bashlavina; Ed. of Publishing House:
T. A. Shamarova; Tech. Ed.: V. V. Romanova.

PURPOSE: This book is intended for cartographers in-
terested in the use of engraving in mapmaking.

Card 1/5

AUTHOR: Koldayev, R.K., Candidate of Technical Sciences 6-58-5-8/17

TITLE: The Representation of Rocks on Topographical Maps (Izobrazheniye skal na topograficheskikh kartakh) By Way of Discussion (V poryadke obsuzhdeniya)

PERIODICAL: Geodesiya i Kartografiya, 1958, Nr 5, pp. 45-48 (USSR)

ABSTRACT: The sign on geographical maps of large scale which is used in order to denote rocks does not represent all existing types of rocks and elevations of the soil. A more distinct and accurate method of showing rocks on a map is given, from which also the distribution and the shape of the rocks may be seen. For this purpose it is necessary to take the following measures when composing geographical maps according to aerial photographs:
 1.) The structural lines of rock-formations and the contours of rock areas on aerial pictures must be evaluated and marked. Further, they must be brought into line with the horizontals and with the elements of hydrography. 2.) On the originals of the maps hachures of rocks must be plotted. - The structural lines must be drawn at the edges of the shade in order that the shape of the rocks becomes distinctly visible. In the case of particu-

Card 1/2

The Representation of Rocks on Topographical Maps. By Way of
Discussion

6-58-5-8/17

larly fine sections of rocks the structural lines may be omitted. The contours of rock sections must, however, all be plotted. When plotting soil elevations in the rock sections no horizontal lines must be drawn. Hachure must show the general shape of a soil elevation as well as its individual parts. Therefore the shaded slopes are not completely hachured, but some light spots must be left. It is advisable that the plotting of structural lines on aerial pictures and the work of hachure on the originals be always carried out by one and the same person. There are 2 figures.

1. Maps—Preparation
2. Maps—Coding
3. Rock
4. Aerial photographs—Analysis

Card 2/2

ALDAYEV, EK

FILES 1 FOR DELETION

501/431
501/431-11

Reese. Inherited Immature gonaditis, ovarioles yield 1 histograft.
Study 779. 31 (Transmission of the human Immunity of Engineering Society, Aerial Pathology, and Carcinology no. 3) Reese, Oodestimant, 1977.
No p. Error also inserted, 1,000 copies printed.

1. *Phragmites australis* (Cav.) Trin. ex Steud.

D. V. Agreus, *A. S. Nikolaevskii* (Resp. Ed.), V. I. Argutsev (Deputy Resp. Ed.),
 P. B. Babitsky, G. P. Lomshin, E. I. Medvedev, M. D. Solov'yev, A. V. Fedotov, and
 P. F. Shubin; Ed. of Publishing House: T. A. Gerasimova; Tech. Ed.: V. V. Kuznetsov.

REMARKS: This collection of articles is intended for specialists in geology, archaeology, and paleogeography.

COMMENT: The book is a collection of 20 papers presented at the NRCAS in October 1997 and published in abbreviated form. The reports presented discuss the current status and the future prospects of the development of serial, disease mapped, biogeographic mapping, genotyping and modelling, molecular epidemiology, phylogenetics and spatial interpretation, serotyping and its associated mathematical and practical problems. So permeates the entire book. References and follow several of the articles.

- [illegible]

KOLDAEV, P.K., kand. tekhn. nauk

Ways and methods of improving plastic representation of relief on
maps. Trudy MIIGAIK no.31:97-102 '59. (MIRA 13:3)
(Map printing)

KOLDAYEV, Petr Konstantinovich; EDEL'SHTEYN, A.V., red.; SHAMAROVA, T.A., red.
izd-va; VORONOVA, V.V., tekhn.red.

[Use of relief coloring and shading in the delineation and publication
of maps] Primenenie tsvetovoi i tenevoi plastiki pri oformlenii i
izdani kart. Moskva, Izd-vo geodez. lit-ry, 1961. 46 p. (Moscow.
TSentral'nyi nauchno-issledovatel'skii institut geodesii, aeros'amki
i kartografii. Trudy, no.140) (MIRA 14:7)
(Map printing)

NAZAROV, Vladimir Nikolayevich; KOLDAYEV, P.K., red.; KOMAR'KOVA, L.M.,
red. izd-va; ROMANOVA, V.V., tekhn. red.

[Methods and symbols employed in cartography] Metody i izobrazitel'-
nye sredstva v kartografii. Moskva, Geodesizdat, 1962. 86 p.
(MIRA 15:7)

(Maps--Symbols)

KOLDAYEV, P.K.

Technique of making small-scale relief maps. Geod. i kart.
no. 4:64-70 Ap '64. (MIRA 17:8)

KOLDAYEV, P.K.

Present-day aspects of cartography in Great Britain. Geod. i
kart. no.8:57-63. Ag '65.

Photographic relief shading from terrain models. Ibid.:63-69
(MIRA 18:9)

POLYAK, M.A.; EPSHTEYN, V.G.; LISOGURSKIY, I.Z.; YUR'YEVA, A.K.;
ZAKHARKIN, O.A.; KOLDAYEVA, T.N.; Prinimali uchastiye:
SKOVORODKIN, P.A.; GIVSHINOV, I.I.; MINEYEV, A.N.; SUR'YANINOVA,
M.N.; BORISOV, N.V.

Studying the process of rubber mixture preparation in 20 r.p.m.
rubber mixers. Kauch.i rez. 22 no.4:5-10 Ap '63.

(MIRA 16:6)

1. Yaroslavskiy shinnyy zavod i Yaroslavskiy tekhnologicheskii
institut.

(Rubber)

(Rubber machinery)

Kolmashov, V.

Metallurgie des Kupfers. Leipzig, Fachbuchverlag, 1953.

215 p. illus., diagrs., ports, tables.

Translated from the Russian: Metallurgiya melli, Moscow, 1951.

N/5
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~~KOLDAIEVA R.A.~~

FIITOV, G.B., kand. biol. nauk, dots.; FILATOV, G.V., starshiy nauchnyy
sotrudnik; KOLDAIEVA, I.A., starshiy laborant.

Role of thiamine in the metabolism of animals [with summary in
English]. Izv. TSKhA no.1(20):193-200 '58. (MIRA 11:4)
(Thiamine) (Metabolism)

28951

S/138/61/000/010/007/009

A051/A129

11. 2320

AUTHORS: Zakharkin, O.A., Koldayeva, T.N., Lisogurskiy, Z.I., Skovorodkin, P.A., Polyak, M.A., Yur'yeva, A.K.

TITLE: Some peculiarities of the preparation of rubber mixes in a two-speed rubber mixer

PERIODICAL: Kauchuk i rezina, no. 10, 1961, 39 - 41

TEXT: Experiments were conducted on the new two-speed rubber mixer DPC-140 (DRS-140) manufactured at the Kiyevskiy mashinostroitel'nyy zavod (Kiev Machine-Building Plant) "Bol'shevik", according to designs of the NIIKhImash. Its rotors have 19.76/16.76 and 39.52/33.5 rpm, respectively. The capacity of the mixing chamber is 245 liters, the size of the spaces between the blades of the rotors and the walls of the mixing chamber 6-7 mm. Results of the experiments showed that when preparing casing-breaker mixes in the rubber mixer at 40 rpm a mixing duration of 1.5 min without taking into account the loading and unloading, and a specific pressure of the upper press of 3.7 kg/cm², the volume of the load may be brought to 165 liters without impairing the quality of the mix. The loading coefficient of the chamber of the DRS-140 rubber mixer is 65%. Thus

Card 1/2

GAGUSHIN, V.A.; KOLDENKCV, V.S.

Case of lipoma of the stomach. Vest. rent. 1 rad. 39 no.5:56
S-O '64. (MIRA 18:3)

1. Pavlovskiy onkologicheskiy dispanser Gor'kovskoy oblasti.

KOLDER, W.

"Fishing With the Help of Electric Current." p. 9, (GOSPODARKA RYBNA, Vol. 5, no. 1, Jan. 1953, Warsaw, Poland).

SO: Monthly List of East European Accession, Lib of Congress, Vol 2, no 10, Oct 1953, Uncl.

KOLDER, W.

Kolder, W. Acquisition of salmon roe in the upper Vistula Basin in 1954.
p. 5.

GOSPODARKA RYBNA

Vol. 7, no. 5, May 1955

Warszawa, Poland

80: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10 Oct. 56

KOLDER, W.

Breeding fishes of the salmon family in circular ponds. p. 8.
GOSPODARKA RYBNA (Polskie Wydawnictwa Gospodarcze) Warszawa. Vol. 7,
no. 10, Oct. 1955.

So. East European Accessions List. Vol. 5, no. 1, Jan. 1956

KOLDER, W.

Culture of salmon spawning material on collective farms in order
to stock rivers. p. 14. Vol. 8, no. 4, Apr. 1956 Warszawa
GOSPODARKA RYBNA

SOURCE:

East European Accession List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

KOLDER, W

KOLDER, W.

KOLDER, W. The salmon campaigns in the upper basin of the Vistula in 1955.
p. 6.

Vol. 8, no. 9, Sept. 1956

GOSPODARKA RYBNA

AGRICULTURE

Poland ,

So: East European Accession, Vol. 6, No. 5, May 1957

KOLDER, W.

KOLDER, W. Workers of the institute of the Biology of Ponds of the Polish
academy of Sciences on a visit in Czechoslovakia. p. 8.
Vol. 8, no. 12, Dec. 1956. GOSPODARKA RYBNA. Warszawa, Poland.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957.

KOLDER, Wladyslaw

The fish balance of the upper Vistula River and its changes after the construction of the Goczalkowice Reservoir. Acta hydrobiol 6 no.4:327-350 '64.

1. Institute of Hydrobiology, of the Polish Academy of Sciences, Krakow.

KOL'DERTSEV, M. S. AND I. A. ARISTOV

Opyt vnedrenia statisticheskogo kontrolya. (Vestn. Mash., 1950, no. 12, p. 50-54)

Experiment in introducing statistical control.

DLC: TJ148.B58

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

TOBIAS, D.A., kandidat tekhnicheskikh nauk, retsentsent; ~~KOL'DERTSEV, M.S.,~~
inzhener, redaktor; MOISEL', B.I., tekhnicheskiy redaktor.

[Organizing technical preparation for production; from the work
practice of machinery plants] Organizatsiia tekhnologicheskoi podgotovki
proizvodstva; iz opyta mashinostroitel'nykh zavodov. Moskva, Gos.
nauchno-tekhn.izd-vo mashinostroitel'noi lit-ry, 1954. 284 p.
(Machinery industry) (MIRA 8:5)

AYZENBERG, B.I., red.; KOL'DERTSEV, M.S., red.; SATANOVSKIY, L.O., red.;
KHRZHANOVSKIY, S.M., red.; PEGOVA, S.A., tekhn.red.

[Collected works of the All-Union Scientific Technical Conference
on Standardization of Machine Manufacturing Plants held in Moscow
from June 27 to 29, 1956] Sbornik trudov Vsesoyuznogo nauchno-
tekhnicheskogo soveshchaniya po voprosam tipizatsii v proektirovanii
mashinostroitel'nykh zavodov, prokhodivshogo v g. Moskve s 27 po
29 iyunya 1956 g. Moskva, Nauchno-tekhn. ob-vo mashinostroit.
promyshl., 1957. 253 p. (MIRA 11:3)

1. Vsesoyuznoye nauchno-tekhnicheskoye soveshchaniye po voprosam
tipizatsii v proektirovanii mashinostroitel'nykh zavodov. Moscow,
1956.

(Factories--Design and construction--Standards)
(Machinery industry)

KOL'DERTSEV, M.S.

TILLES, Semen Aronovich, kand.tekhn.nauk; LETENKO, V.A., kand.ekon.nauk, retsenzent; MEL'NIKOV, M.F., inzh., retsenzent; KOL'DERTSEV, M.S., inzh., red.; BABKOVA, G.I., red.isd-va; UVAROVA, A.F., tekhn.red.

[Economics of technical aspects of mechanical processes in industry]
Ekonomika tekhnologicheskikh protsessov mekhanicheskoi obrabotki.
Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1959. 298 p.
(MIRA 12:4)

(Machinery industry—Economic aspects)

L'VOV, D.S.; BASISTOV, A.G., inzh.; retsenzent; KOL'DENTSEV, M.S.,
inzh., red.

[Economic efficiency of machines and technological processes] Ekonomichnost' mashin i protsessov. Moskva, Izd-vo
"Mashinostroenie," 1964. 188 p. (MIRA 1717)

YASTREBOV, N.Ye.; AL'PEROVICH, A.M., inzh., retsenzents;
KOL'DERTSEV, M.S., inzh., red.

[Planning and controlling serial production in the
machinery industry; factory practice] Planirovanie i
regulirovanie seriinogo proizvodstva v mashinostroenii;
zavodskoi opyt. Moskva, Izd-vo "Mashinostroenie," 1964.
67 p. (MIRA 17:8)

BARTASHEV, L.V.; TILLES, S.A., kand. tekhn. nauk, retsenzent
[deceased]; SHEVELEV, A.G., inzh., retsenzent; KOL'DERTSOV,
M.S., inzh., red.; TIKHANOV, A.Ya., tekhn. red.

[Technical and economic calculations in designing and
manufacturing machinery] Tekhniko-ekonomicheskie raschety
pri proektirovanii i proizvodstve mashin. Moskva, Mashgis,
1963. 303 p. (MIRA 16:7)
(Machinery--Design and construction)

IVANOV, V.A.; IGNATENKO, N.N.; DOBRYAKOV, V.I., inzh., retsenzent;
KOL'DERTSOV, M.S., inzh., red.; SALYANSKIY, A.A., red.
izd-va; EL'KIND, V.D., tekhn. red.

[Introduction and economic efficiency of new equipment;
practice of industrial plants] Vnedrenie novoi tekhniki i
ee ekonomicheskaya effektivnost'; iz opyta zavodov. Mo-
skva, Mashgiz, 1963. 177 p. (MIRA 17:2)

PUNCOCHAR, Z., inz.; ZDENEK, Z., inz.; KOLDINSKY, J., inz.; CHVATAL, Vlad.,
inz.; DEDEK, Vlad., inz.; JENICEK, L.; MRAZ, V.

Informations on metallurgy. Hut listy 16 no.5:373-380 My '61.

Koldinsky, O.

✓ 1601. Complexometric titrations in pharmaceutical analysis. XIII. Determination of bismuth. V. Suk, O. Koldinsky and M. Malitz (Inst. Anal. Chem., Karlový Univ., Prague, Czechoslovakia). *Czechoslov. Farmac.*, 1965, 4 (9), 449-451.—Catechol violet forms an intensely blue complex with bismuth at pH > 2. On titrating a bismuth soln. with EDTA (disodium salt) in the presence of this indicator the colour of the soln. changes sharply to yellow at the equivalence point. If the original soln. is violet instead of blue it is too acid and should be adjusted

to a pH of 2 to 3 with aq. NH_3 . The method is applied to a number of inorganic and organic bismuth compounds, the error for the former being < 0.4 per cent. and for the latter < ± 1 per cent. Among the compounds examined were basic bismuth gallate, iodogallate, salicylate and tribromophenoxide. The organic matter was destroyed before the titration by heating with HNO_3 and H_2O_2 .

A. G. JAKUBOVIC

KOLDINSKY, O.
COUNTRY: Czechoslovakia **H-17**
CATEGORY: :
ABS. JCUR.: RZKhim., No. 21, 1959, No. 75806
AUTHOR: Suk, V., Koldinsky, O., and Malat, M.
INST.: Not given
TITLE: Complexometric Titration in Pharmaceutical Analysis. XVIII. The Determination of Bismuth in Mixtures.
ORIG. PUB.: Ceskoslov Farmac, 7, No 5, 249-251 (1958)
ABSTRACT: The complexometric method for the determination of Bi using Pyrocatechol Violet as indicator has been applied to the quantitative determination of Bi in various pharmaceutical mixtures: in powders, tablets, blends, and ointments. In a number of medicinal preparations Bi was determined in mixtures with Mg and Hg. For Communication XVII see RZnKhim, 1959, No 14, 50715.
 From authors' summary

CARD: 1/1

228

1. KAYA, F. D.

The consumption and replacement of protein substances
in experimental internal brain trauma I. S. Uchkanova.

Abstract of the report. A. S. Uchkanova.

100 100A, F.D

Med ✓ Some indexes of the protein metabolism and the functional state of liver in patients suffering from cerebral tumors. L. S. Cherkasova, P. D. Koklobazaya, V. A. Kukushkina, and E. I. Shnyak (Inst. Physiol., Acad. Sci. White Russian S.S.R., Minsk). *Izvest. Akad. Nauk Beloruss. S.S.R.* 1935, No. 3, 127-30 (in Russian).—Data are presented for the amts. of total protein, albumin, globulin, fibrinogen, and the protein index; the activities of the proteolytic and aminolytic enzyme; and the amt. of amino acid N (mg. %) polypeptide and urea N fractions of the blood in 21 patients suffering from cerebral tumors. Non-protein N increases during the illness, the increase being due to the accumulation of polypeptides, since the amts. of free amino acids and urea remain nearly unchanged. The normal proportion of albumin to globulin is disturbed and the enzyme activities lowered; the detoxicating capacity of the liver (Quick-Pytel method) is also greatly decreased as a result of the illness. R. Wierhicki

KOLDOBSKAYA, F.D., Cand Bio Sci—(diss) "On the problem of the
importance ~~significance~~ of the functional state of ^{the} cerebral cortex in the regula-
tion of carbohydrate metabolism." Minsk, 1958. 16 pp (Acad Sci BSSR.
Inst of Biology), 150 copies (KL,45-58, 145)

-56-

KOLDOBSKAYA, F.D.

Effect of conditioned food reflexes on the sugar level regulation of blood. Trudy Inst. fiziol. AN BSSR 2:249-259 '58. (MIRA 12:1)

1. Laboratoriya biokhimii Instituta fiziologii AN BSSR.
(BLOOD SUGAR) (CONDITIONED RESPONSE)

KOLDOBSKAYA, F.D.

Effect of differential inhibition on the course of the
alimentary glyceic reaction. Dokl. AN BSSR 2 no.11:472-475
D '58. (MIRA 12:8)

1. Predstavleno akademikom AN BSSR V.A. Leonovym.
(BLOOD SUGAR) (INHIBITION)

KOLDOBSKAYA, F.D.

Importance of the functional state of the cerebral cortex in
the regulation of the blood sugar level. Trudy Inst.fiziol.
AN BSSR 3:155-161 '59. (MIRA 13:7)

1. Laboratoriya biokhimii Instituta fiziologii AN BSSR.
(BLOOD SUGAR) (CEREBRAL CORTEX)

MIRONOVA, T.M.; KOLDOBSKAYA, F.D.

Characteristics of the metabolism of glycogen fractions of the brain
in fractional X irradiation of animals. Dokl. AN BSSR 5 no.12:575-
578 D '61. (MIRA 15:1)

1. Institut fiziologii AN BSSR. Predstavleno akademikom AN BSSR
V.A.Leonovym.

(X RAYS--PHYSIOLOGICAL EFFECT) (GLYCOGEN) (BRAIN)

L 29835-66 EWT(m)

ACC NR: ~~IA~~8012873

SOURCE CODE: UR/0205/66/006/002/0179/0184

AUTHOR: Cherkasova, L. S.; Koldobakova, E. D.; Kukushkina, V. A.; Mironova, T. M.; Remberger, V. G.; Tayts, M. Yu.; Pomichenko, K. V.

ORG: Institute of Physiology, AN BSSR, Minsk (Institut fiziologii AN BSSR)

TITLE: Effect of neutron irradiation on tissue metabolism processes

SOURCE: Radiobiologiya, v. 6, no. 2, 1966, 179-184

TOPIC TAGS: neutron irradiation, radiation biologic effect, tissue physiology, ~~animal experiment~~ BIOLOGIC METABOLISM

ABSTRACT: In order to clarify the effect of neutron bombardment on carbohydrate, energy, and protein metabolism at relatively low doses, the changes in free and bound glycogen, glucose-1-phosphate, glucose-6-phosphate, fructose-1, 6-diphosphate, triose-phosphate, phosphopyruvate, ATP, creatine phosphate, phosphorylase, amylase, succinic dehydrogenase, respiratory quotient, and protein content were determined in the central nervous system, skeletal muscle, and liver of adult white rats 15 - 30 days after total body irradiation with neutrons having energies of 0.04 - 1.35 Mev (total dose of about 13 rad in 60 min).

Card 1/2

UDC: 577.391:539.125.5

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5.1150

S/564/61/003/000/003/029
D228/D304

AUTHORS:

Koldobskaya, M. F., and Gavrilova, I. V.

TITLE:

Growth of large finite crystals of triglycin sulfate in laboratory conditions

SOURCE:

Akademiya nauk SSSR. Institut kristallografii. Rost kristallov, v. 3, 1961, 278-282

TEXT:

The authors studied the growth of triglycin sulfate crystals--
($\text{NH}_4\text{CH}_2\text{COOH}$) $_3\text{H}_2\text{SO}_4$ —from aqueous solutions in the temperature interval
20 - 55° by the method of reversible mixing. Previous work by E. A. Wood
et al shows that these crystals which structurally belong to the dihedral
axial class of monoclinic syngony possess strong segneto-electrical pro-
perties: a high dielectric non-linearity, a highly rectangular hysteresis
loop, high piezoelectric moduli, and a low dielectric permeability.
Other characteristics include the disappearance of spontaneous polariza-
tion above 47°, the predominance of $m\{110\}$ and $c\{001\}$ faces below 55°, a

Card 1/3

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Growth of large...

perfect 010 cleavage, a segneto-electrical axis coincident with the polar axis L^2 , an axial bisector coincident with the x-axis, and a curie-point of $47 - 49.3^\circ$. In the experimental procedure followed by the authors, a crystallizer—a sealed glass cylinder containing the crystal-carrier, a glass tube with a pivotal primer, with a saturated and purified solution of triglycin sulfate—is placed in a sealed glass water-bath with a thermostat—overheated by 5° in comparison with the solution—motor, heater, mixer and refrigerator. The optimum temperature for crystal-growth is established visually, and stirring is commenced as soon as this occurs, the growth rates along the x-, y- and z-axes being 5.6, 7.3 and 1.9 mm/24 hours respectively. It is noted that large homogeneous crystals cannot be grown in all cases owing to their high sensitivity to changes in the degree of supersaturation and mixing of the solution which increase the crystal complexity and the number of liquid inclusions and parasitic growths. During unilateral rotation, a zone of weak mixing develops at each acute angle, leading to the formation of inclusions on the crystal faces; this does not happen, however, with reversible rotation. On adding

Card 2/3